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- 1** On the impact of knowledge discovery and data mining 80%
 Kirsten Wahlstrom , John F. Roddick
Selected papers from the second Australian Institute conference on Computer ethics - Volume 1 November 2000
Knowledge Discovery and Data Mining are powerful automated data analysis tools and they are predicted to become the most frequently used analytical tools in the near future. The rapid dissemination of these technologies calls for an urgent examination of their social impact. This paper identifies social issues arising from Knowledge Discovery (KD) and Data Mining (DM). An overview of these technologies is presented, followed by a detailed discussion of each issue. The paper's intention is to pri
...
- 2** A survey of methods for recovering quadrics in triangle meshes 80%
 Sylvain Petitjean
ACM Computing Surveys (CSUR) June 2002
Volume 34 Issue 2
In a variety of practical situations such as reverse engineering of boundary representation from depth maps of scanned objects, range data analysis, model-based recognition and algebraic surface design, there is a need to recover the shape of visible surfaces of a dense 3D point set. In particular, it is desirable to identify and fit simple surfaces of known type wherever these are in reasonable agreement with the data. We are interested in the


class of quadric surfaces, that is, algebraic surfa ...


- 3** The diffusion of the Internet in a pro-IT cultural environment: a content analysis of the Singapore experience 80%

 Margaret Tan , Thompson S. H. Teo
Communications of the AIS November 1999
- 4** Knowledge acquisition: issues, techniques, and methodology 77%

 Yihwa Irene Liou
Proceedings of the 1990 ACM SIGBDP conference on Trends and directions in expert systems September 1990
- 5** Modeling and design description of hierarchical hardware/software systems 77%

 C. W. Rose , M. Albarran
Proceedings of the 12th design automation conference January 1975
Two fairly recent trends, one technological and one philosophical, are influencing to an increasing degree the design of digital systems today. The plummeting cost of integrated circuits, the availability of bipolar control stores, and more recently, of bipolar microprocessor elements have resulted in the hardware or firmware implementation of functions which have traditionally been realized in software, and the firmware or software realization of functions traditionally implemen ...
- 6** A simulation model for information system design, evaluation and planning 77%

 Thomas G. DeLutis , Keith B. Johnston , James E. Rush , Patrick M.K. Wong
Proceedings of the twelfth annual simulation symposium March 1979
In this research, the use of simulation as a tool in information system design, evaluation and planning is being investigated. The modeled system is the on-line, real-time Computerized Library System of OCLC, Inc. Important characteristics of the OCLC System are described to establish a framework for discussion of the modeling and simulation research which is the subject of this paper.
- 7** Computer-Aided Design, Manufacturing, Assembly and Test (CADMAT) 77%

 F. C. Bergsten
Proceedings of the eighteenth design automation conference on Design automation June 1981
This paper describes an integrated Computer-Aided Design,

Manufacturing, Assembly and Test System to achieve increased productivity and quality. The term CADMAT which encompasses Automated Test also implies the integration of all design automated and computer augmented processes throughout the product and business organizations. In the design and test phase of electronics, Interactive Graphiss (IAG), verification, automated board layout, and automatic test vector generation are discussed. I

...

8 Special Issue on Critical Analyses of ERP Systems: the macro 77%

level: Enterprise resource planning (ERP) systems as a technology of power: empowerment or panoptic control?

Siew Kien Sia , May Tang , Christina Soh , Wai Fong Boh

ACM SIGMIS Database February 2002

Volume 33 Issue 1

This paper explores ERP as an ambivalent technology of power. On the one hand, it may tighten management control by bringing a new level of panoptic visibility to organizational activities; on the other hand, the embedded business model within the ERP may drive empowerment of employees and greater control relaxation through the configuration of new process design. How will the implementation of an ERP system affect organizational control? Our This research seeks to understand how the different f ...

9 Programming languages and systems for prototyping concurrent 77% applications

Wilhelm Hasselbring

ACM Computing Surveys (CSUR) March 2000

Volume 32 Issue 1

Concurrent programming is conceptually harder to undertake and to understand than sequential programming, because a programmer has to manage the coexistence and coordination of multiple concurrent activities. To alleviate this task several high-level approaches to concurrent programming have been developed. For some high-level programming approaches, prototyping for facilitating early evaluation of new ideas is a central goal. Prototyping is used to explore the ...






10 Conference review 77%

Janyce Wiebe

intelligence June 2000

Volume 11 Issue 2

11 Data clustering: a review 77%

-  A. K. Jain , M. N. Murty , P. J. Flynn
ACM Computing Surveys (CSUR) September 1999
Volume 31 Issue 3
Clustering is the unsupervised classification of patterns (observations, data items, or feature vectors) into groups (clusters). The clustering problem has been addressed in many contexts and by researchers in many disciplines; this reflects its broad appeal and usefulness as one of the steps in exploratory data analysis. However, clustering is a difficult problem combinatorially, and differences in assumptions and contexts in different communities has made the transfer of useful generic co ...
- 12 Identifying gene regulatory networks from experimental data 77%
 Ting Chen , Vladimir Filkov , Steven S. Skiena
Proceedings of the third annual international conference on Computational molecular biology April 1999
- 13 An integrated compilation and performance analysis environment 77%
 for data parallel programs
Vikram S. Adve , John Mellor-Crummey , Mark Anderson , Jhy-Chun Wang , Daniel A. Reed , Ken Kennedy
Proceedings of the 1995 ACM/IEEE conference on Supercomputing (CDROM) December 1995
- 14 Adoption of computer aided software engineering (CASE) 77%
 technology: an innovation adoption perspective
G. Premkumar , Michael Potter
ACM SIGMIS Database May 1995
Volume 26 Issue 2-3
This study examines the impact of various organizational and technology characteristics on the adoption of computer aided software engineering (CASE) technology. Based on research in innovation adoption and IS implementation, the study develops a research model comprised of seven factors that are important for the successful adoption of CASE technology. The data for the study were collected through a field survey of IS managers in the midwest area and 90 responses were received. The results of d ...
- 15 The interaction between end user computing and task 77%
 characteristics: an exploratory study
Robert M. Barker
Proceedings of the 1993 conference on Computer personnel research June 1993

16 Query evaluation techniques for large databases 77%

Goetz Graefe

ACM Computing Surveys (CSUR) June 1993

Volume 25 Issue 2

Database management systems will continue to manage large data volumes. Thus, efficient algorithms for accessing and manipulating large sets and sequences will be required to provide acceptable performance. The advent of object-oriented and extensible database systems will not solve this problem. On the contrary, modern data models exacerbate the problem: In order to manipulate large sets of complex objects as efficiently as today's database systems manipulate simple records, query-processi ...

17 An investigation of content representation using text grammars 77%

D. V. Rama , Padmini Srinivasan

ACM Transactions on Information Systems (TOIS) January 1993

Volume 11 Issue 1

We extend prior work on a model for natural language text representation and retrieval using a linguistic device called text grammar. We demonstrate the value of this approach in accessing relevant items from a collection of empirical abstracts in a medical domain. The advantage, when compared to traditional keyword retrieval, is that this approach is a significant move towards knowledge representation and retrieval. Text representation in this model includes keywords and their conceptual r ...

18 Manageable object-oriented development: abstraction, 77%

decomposition, and modeling

John A. Anderson , John D. Sheffler , Elaine S. Ward

Proceedings of the conference on TRI-Ada '91: today's

accomplishments; tomorrow's expectations December 1991

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